

ABSTRACT

There is provided an image processor and a method thereof for high-speed compensation for taken-image blurs produced by camera shakes or the like. In the first instance, a motion-detecting area is selected for each of two images taken by an image sensor. When projective data is calculated by means of computing in a predetermined direction pixels of the motion-detecting areas, the motion vector between the two images can be acquired based on the projective data. The image correlativity between the two images is then calculated in the direction that the motion vector designates; and the amount of pixel displacement between the two images is calculated based on the correlativity values acquired by the calculation. Moreover, the area that has been produced by displacing an image output area in a camera-shake compensation area designated in the second frame, by the pixel-displacement amount calculated by a displacement calculator is cut away from the camera-shake compensation area, and is outputted as an image for the image output area of the second frame.